

PROJECT INFORMATION COLLABORATION USING P6

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Dear Allah, for love, peace, happiness and heaven...

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ABSTRACT

Project collaboration proves to be an effective element for project management. This is due to its proactive role in contributing to project success. As project success is a group work effort, it is important to ensure all team members are well-informed about the procedures in making sure the project is conducted in an orderly manner. Therefore, Primavera P6 is identified to be an effective tool to address many constraints in the conventional project management. The software has been chosen due to its ability in facilitating team-based projects, expediting decision-making and boosting an organization's efficiency. This study explores the concept of Primavera P6 and its implementation in project collaboration in Oil and Gas industries in the country. To establish these elements, interview and questionnaire surveys were conducted among a group of professionals from the industry to access their insights and knowledge of the software. The findings of this study indicate that the software has high potential in supporting the project management system. However, there are some challenges which needed to be addressed for the Primavera P6 implementation. This study also develop a basic interface for project reporting which is able to capture the information from P6 and presented in Microsoft Excel format. The study concluded that the benefits of implementing the software outweighed the disadvantages, and it proves to be the most effective tool in Project Management.

ABSTRAK

Projek kerjasama dapat dibuktikan sebagai salah satu elemen yang berkesan untuk pengurusan projek. Ini adalah kerana peranannya yang proaktif dalam menyumbang kepada kejayaan sesuatu projek. Kejayaan sesebuah projek bergantung kepada kerjasama dalam kumpulan, pemahaman tentang setiap prosedur oleh semua ahli kumpulan adalah penting bagi memastikan projek dijalankan dengan rapi. Dengan itu, Primavera P6 telah dikenal pasti sebagai satu perisian yang berkesan untuk menangani pelbagai kesulitan dalam pengurusan projek konvensional. Perisian ini dipilih berdasarkan kebolehannya dalam memenuhi keperluan untuk projek berkumpulan, menyingkatkan masa untuk membuat keputusan dan meningkatkan kecekapan sesebuah organisasi. Kajian ini membincangkan konsep Primavera P6 dan perlaksanaannya dalam projek kerjasama ke atas industri gas dan petroleum di negara ini. Bagi menghuraikan elemen-elemen ini, temu bual dan soal selidik telah dijalankan terhadap kumpulan profesional dalam industri ini untuk mendapatkan pandangan dan pengetahuan mereka mengenai perisian ini. Dapatan dalam kajian ini menunjukkan bahawa perisian ini berpotensi tinggi dalam membantu sistem pengurusan projek. Selain itu, terdapat juga beberapa halangan yang perlu diatasi bagi pelaksanaan Primavera P6. Kajian ini juga membangunkan aplikasi asas bagi laporan prestasi projek di mana mampu untuk mengadaptasi maklumat daripada P6 dan dipaparkan dalam format Microsoft Excel. Kajian ini mendapati bahawa jumlah kelebihan menggunakan perisian ini melebihi jumlah kelemahannya, dan membuktikan ia perisian paling berkesan dalam pengurusan projek.